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S45	19	map same container same object\$2 same key\$2 <i>Rev all</i>	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/31 14:44
S44	2	717/140-160.ccls. and container adj object\$2 and identifier\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/31 14:44
S43	1	generate near2 code same locate same object\$2 same key\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/31 14:44
S42	2	(compil\$4 or interpret\$4) same identifier\$2 same (map adj container)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/31 14:43
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S7	2	map near2 container near2 object\$2 same key\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/31 14:43
S40	41	(post or after) near3 (compil\$4 or interpret\$4) same identifier	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/13 11:07
S38	3	(post or after) near3 (compil\$4 or interpret\$4) same execut\$4 same identifier	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/13 11:07
S39	6	(post or after) near3 (compil\$4 or interpret\$4) same execut\$4 same identifier\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/13 11:06



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- 1 [A framework for designing and implementing the Ada standard container library](#)**

Jordi Marco, Xavier Franch  
December 2003 **ACM SIGAda Ada Letters , Proceedings of the 2003 annual ACM SIGAda international conference on Ada: the engineering of correct and reliable software for real-time & distributed systems using ada and related technologies**, Volume XXIV Issue 1


Full text available:  [pdf\(249.09 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

An open issue of the Ada language is the definition of a standard container library. Containers in this library (e.g., sets, maps and lists) shall offer some core functionalities that characterise their behaviour (i.e., different strategies for managing the elements stored therein) as well as other general functionalities. Among these general functionalities, we are interested in alternative ways for accessing the containers, namely direct access by position and traversals using iterators. In th ...


**Keywords:** access by position, container libraries, iterators, quality models


- 2 [Charles: an STL for Ada95](#)**


Matthew J. Heaney  
September 2004 **ACM SIGAda Ada Letters**, Volume XXIV Issue 3

Full text available:  [pdf\(111.02 KB\)](#) Additional Information: [full citation](#), [abstract](#)

Charles is a container and algorithms library for Ada95, modeled closely on the C++ STL. The library provides both sequence and associative containers, and specifies the time and space semantics of each container. Charles is flexible and efficient, and its design has been guided by the philosophy that a library should stay out of the programmer's way.



- 3 [Empirical studies: Beyond templates: a study of clones in the STL and some general implications](#)**

Hamid Abdul Basit, Damith C. Rajapakse, Stan Jarzabek  
May 2005 **Proceedings of the 27th international conference on Software engineering**

Full text available:  [pdf\(290.37 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Templates (or generics) help us write compact, generic code, which aids both reuse and maintenance. The STL is a powerful example of how templates help achieve these goals. Still, our study of the STL revealed substantial, and in our opinion, counter-productive repetitions (so-called clones) across groups of similar class or function templates. Clones occurred, as variations across these similar program structures were irregular and could not be unified by suitable template parameters in a natur ...


**Keywords:** clones, meta-programming, software maintenance



**4 The BEA streaming XQuery processor**

Daniela Florescu, Chris Hillery, Donald Kossmann, Paul Lucas, Fabio Riccardi, Till Westmann, J. Carey, Arvind Sundararajan

September 2004 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 13 Issue 3

Full text available:  pdf(328.94 KB)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

This paper describes the design, implementation, and performance characteristics of a commercial XQuery processing engine, the BEA streaming XQuery processor. This XQuery engine was designed to provide high performance for message-processing applications, i.e., for transforming XML data streams. The engine is a central component of the 8.1 release of BEA's WebLogic Integration (WLI) product. The BEA XQuery engine is fully compliant with the August 2002 draft of the W3C XML Query Language ...

**5 Fast detection of communication patterns in distributed executions**

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Full text available:  pdf(4.21 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

**6 A C++ Pooled, Shared Memory Allocator for Simulator Development**

Marc Ronell

April 2004 **Proceedings of the 37th annual symposium on Simulation**

Full text available:  pdf(191.24 KB)

Additional Information: [full citation](#), [abstract](#)

A pooled, shared C++ allocator developed for use with the Standard Template Library (STL) is described. The allocator is developed to serve as the core of a Road Traffic Simulator. The C++ allocator facilitates communication and control between multiple processes using data organized in STL container classes. The open source system has been compiled and tested on the Linux operating system and is freely available from its web site, <http://allocator.sourceforge.net>.

**7 Web site engineering: A flexible framework for engineering "my" portals**

Fernando Bellas, Daniel Fernández, Abel Muñio

May 2004 **Proceedings of the 13th international conference on World Wide Web**

Full text available:  pdf(420.01 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

There exist many portal servers that support the construction of "My" portals that are portals that allow the user to have one or more personal pages composed of a number of personalizable services. The main drawback of current portal servers is their lack of generality and adaptability. This paper presents the design of MyPersonalizer, a J2EE-based framework for engineering My portals. The framework is structured according to the Model-View-Controller and Layers architectural patterns providing g ...

**Keywords:** design patterns, j2ee, portal technology, web application frameworks and architectures, web engineering

**8 A comparative study of language support for generic programming**

Ronald Garcia, Jaakko Jarvi, Andrew Lumsdaine, Jeremy Siek, Jeremiah Willcock

October 2003 **ACM SIGPLAN Notices , Proceedings of the 18th annual ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications**, Volume 38 Issue 11

Full text available:  pdf(237.38 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Many modern programming languages support basic generic programming, sufficient to implement type-safe polymorphic containers. Some languages have moved beyond this basic support to a broader, more powerful interpretation of generic programming, and their extensions have proven valuable in practice. This paper reports on a comprehensive comparison of generics in six programming languages: C++, Standard ML, Haskell, Eiffel,

Java (with its proposed generics extension), and Generic C. By implementi ...

**Keywords:** C#, C++, Eiffel, Haskell, Java, generic programming, generics, polymorphism, standard ML

<sup>9</sup> A Value Transmission Method for Abstract Data Types

Maurice P. Herlihy, Barbara Liskov

October 1982 **ACM Transactions on Programming Languages and Systems (TOPLAS)**,  
Volume 4 Issue 4


Full text available:  pdf(1.63 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

<sup>10</sup> New ideas for generic components in Ada

Richard Riehle

September 1998 **ACM SIGAda Ada Letters**, Volume XVIII Issue 5

Full text available:  pdf(1.05 MB)


Additional Information: [full citation](#), [abstract](#), [index terms](#)

The creation of reusable software components is an important part of modern software practice. Generic templates are one technique for designing these components. A generic template is a module containing algorithms which can operate on some class of data types where the specific data type is not known until later in the development process. Many languages, including Ada, support this technique. In Ada, generic templates must be type-safe at compile time. We examine some features of Ada which al ...

<sup>11</sup> Automatic generation and use of abstract structure operators

Tim Sheard

October 1991 **ACM Transactions on Programming Languages and Systems (TOPLAS)**,  
Volume 13 Issue 4

Full text available:  pdf(1.62 MB)


Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)

**Keywords:** automatic type directed operation generation, classes, reflection

<sup>12</sup> Parameterized object sensitivity for points-to analysis for Java

Ana Milanova, Atanas Rountev, Barbara G. Ryder

January 2005 **ACM Transactions on Software Engineering and Methodology (TOSEM)**,  
Volume 14 Issue 1

Full text available:  pdf(413.28 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


The goal of *points-to analysis* for Java is to determine the set of objects pointed to by a reference variable or a reference object field. We present *object sensitivity*, a new form of context sensitivity for flow-insensitive points-to analysis for Java. The key idea of our approach is to analyze a method separately for each of the object names that represent run-time objects on which this method may be invoked. To ensure flexibility and practicality, we propose a parameterization f ...

**Keywords:** Static analysis, class analysis, context sensitivity, def-use analysis, points-to analysis, side-effect analysis

<sup>13</sup> Scalable data naming for application level framing in reliable multicast

Suchitra Raman, Steven McCanne

September 1998 **Proceedings of the sixth ACM international conference on Multimedia**

Full text available:  pdf(1.30 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

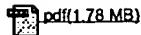
<sup>14</sup> The file system of an integrated local network

Paul J. Leach, Paul H. Levine, James A. Hamilton, Bernard L. Stumpf

March 1985 **Proceedings of the 1985 ACM thirteenth annual conference on Computer Science**

Full text available:

Additional Information:



pdf(1.78 MB)

[full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The distributed file system component of the DOMAIN system is described. The DOMAIN system is an architecture for networks of personal workstations and servers which creates an integrated distributed computing environment. The distinctive features of the file system include: objects addressed by unique identifiers (UIDs); transparent access to objects, regardless of their location in the network; the abstraction of a single level store for accessing all objects; and the layering of a network ...

### 15 Computing curricula 2001

September 2001 **Journal on Educational Resources in Computing (JERIC)**

Full text available: pdf(613.63 KB) html (2.78 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

### 16 Distributed file systems: concepts and examples

Eliezer Levy, Abraham Silberschatz

December 1990 **ACM Computing Surveys (CSUR)**, Volume 22 Issue 4

Full text available: pdf(5.33 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The purpose of a distributed file system (DFS) is to allow users of physically distributed computers to share data and storage resources by using a common file system. A typical configuration for a DFS is a collection of workstations and mainframes connected by a local area network (LAN). A DFS is implemented as part of the operating system of each of the connected computers. This paper establishes a viewpoint that emphasizes the dispersed structure and decentralization of both data and control ...

### 17 Digital libraries for spatial data: G-Portal: a map-based digital library for distributed geospatial and georeferenced resources

Ee-Peng Lim, Dion Hoe-Lian Goh, Zehua Liu, Wee-Keong Ng, Christopher Soo-Guan Khoo, Susan Ellen Higgins

July 2002 **Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries**

Full text available: pdf(291.03 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

As the World Wide Web evolves into an immense information network, it is tempting to build new digital library services and expand existing digital library services to make use of web content. In this paper, we present the design and implementation of G-Portal, a web portal that aims to provide digital library services over geospatial and georeferenced content found on the World Wide Web. G-Portal adopts a map-based user interface to visualize and manipulate the distributed geospatial and georef ...

**Keywords:** digital libraries, education, geography, world wide web

### 18 Streams, structures, spaces, scenarios, societies (5s): A formal model for digital libraries

Marcos André Gonçalves, Edward A. Fox, Layne T. Watson, Neill A. Kipp

April 2004 **ACM Transactions on Information Systems (TOIS)**, Volume 22 Issue 2

Full text available: pdf(316.85 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Digital libraries (DLs) are complex information systems and therefore demand formal foundations. As development efforts diverge and interoperability suffers. In this article, we propose the fundamental abstractions of Streams, Structures, Spaces, Scenarios, and Societies (5S), which allow us to define digital libraries rigorously and usefully. Streams are sequences of arbitrary items used to describe both static and dynamic (e.g., video) content. Structures can be viewed as labeled directed graphs ...

**Keywords:** applications, definitions, foundations, taxonomy

### 19 HyperFile: a data and query model for documents

Chris Clifton, Hector Garcia-Molina, David Bloom

January 1995 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 4 Issue 1

Full text available: pdf(2.04 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Non-quantitative information such as documents and pictures pose interesting new problems in the database world. Traditional data models and query languages do not provide appropriate support for this information. Such data are typically stored in file systems, which do not provide the security, integrity, or query features of database management systems. The hypertext model has emerged as a good interface to this information; however, *finding* information using hypertext browsing does not ...

**Keywords:** hypertext, indexing, user interface

<sup>20</sup> Converting Java classes to use generics

Daniel von Dincklage, Amer Diwan

October 2004

**ACM SIGPLAN Notices , Proceedings of the 19th annual ACM SIGPLAN Conference on Object-oriented programming, systems, languages, and applications, Volume 39 Issue 10**

Full text available:  pdf(259.67 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Generics offer significant software engineering benefits since they provide code reuse without compromising type safety. Thus generics will be added to the Java language in the next release. While this extension to Java will help programmers when they are writing new code, it will not help legacy code unless it is rewritten to use generics. In our experience, manually modifying existing programs to use generics is complex and can be error prone and labor intensive.

We describe a system ...

**Keywords:** generics, parametric polymorphism, type inference

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**Web**Results 1 - 10 of about 113,000 for map container key string identifier. (0.38 seconds)OpStatus

... Parameters:: planName - Unique **identifier** of plan to be searched. **key** - **String** to be matched against regular expressions in plan. ...

[www.vovida.org/document/doc++/proxies\\_rs\\_doc++/OpStatus.html](http://www.vovida.org/document/doc++/proxies_rs_doc++/OpStatus.html) - 16k - [Cached](#) - [Similar pages](#)

SubscriberContainer

... **Container**; void updateAliasList(const Data& masterKey, list < **string** ... are stored in a **map** with an **identifier** (usually a phone number) as the **key**. ...

[www.vovida.org/document/doc++/proxies\\_rs\\_doc++/SubscriberContainer.html](http://www.vovida.org/document/doc++/proxies_rs_doc++/SubscriberContainer.html) - 25k - [Cached](#) - [Similar pages](#)

(PDF) Computer Science II — CSci 1200 Lecture 14 Associative Containers ...

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... Our Own Class as the **Map Key**. • So far we have used **string** (mostly) and int (once) ... where you want the **map** you can just use the **identifier** map\_vect: ...

[www.cs.rpi.edu/academics/courses/spring05/cs2/lec14/lec.pdf](http://www.cs.rpi.edu/academics/courses/spring05/cs2/lec14/lec.pdf) - [Similar pages](#)

Security: Protect Private Data with the Cryptography Namespaces of ...

... with the **key container** name of an existing pair in Crypto API **key** storage by ... method of the CryptoConfig class and passing it a **string identifier**. ...

[msdn.microsoft.com/security/understanding/overview/default.aspx?](http://msdn.microsoft.com/security/understanding/overview/default.aspx?pull=/msdnmag/issues/02/06/crypto/crypto.asp)

[pull=/msdnmag/issues/02/06/crypto/crypto.asp](http://msdn.microsoft.com/security/understanding/overview/default.aspx?pull=/msdnmag/issues/02/06/crypto/crypto.asp) - 45k - [Cached](#) - [Similar pages](#)

CLSID Key (Windows CE 5.0: Applications and Services Development)

... CLSID **Key**. A CLSID is a globally unique **identifier** that identifies a COM class

... A globally unique **identifier** (GUID) used to **map** information about a ...

[msdn.microsoft.com/library/en-us/wceappservices5/html/wce50conclsidkey.asp](http://msdn.microsoft.com/library/en-us/wceappservices5/html/wce50conclsidkey.asp) - 24k -

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svn commit: r126193 - in portals/pluto/trunk: container/src/java ...

... **identifier** Modified: portals/pluto/trunk/container/src/java/org/apache/pluto/

... + **String key** = enumerator.nextElement().toString(); **keys.remove(key)**; ...

[mail-archives.apache.org/.../200501.mbox/%3C20050123043250.93121.qmail@minotaur.apache.org%3E](http://mail-archives.apache.org/.../200501.mbox/%3C20050123043250.93121.qmail@minotaur.apache.org%3E) - 16k -

[Cached](#) - [Similar pages](#)

BEA WebLogic Portal 7.0.5.0 Javadoc: Overview: Class ...

... Allocate the property **map** and load it using the EntityPropertyManager. java.lang.

... Returns:: the primary **key string identifier** for this entity ...

[e-docs.bea.com/wlp/docs70/javadoc/com/bea/p13n/property/AbstractConfigurableEntity.html](http://e-docs.bea.com/wlp/docs70/javadoc/com/bea/p13n/property/AbstractConfigurableEntity.html) - 37k -

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Set (GNU Classpath 0.15+cvs Documentation)

... Sets the focus traversal **keys** for a given traversal operation for this **Container**.

... Returns the set of initial policy **identifiers** (as OID strings). ...

[developer.classpath.org/doc/java/util/Set-uses.html](http://developer.classpath.org/doc/java/util/Set-uses.html) - 36k - [Cached](#) - [Similar pages](#)







C++ Annotations Version 5.1.0b

... For example, the **map** is an abstract **container** in which **keys** and ... For example, a **map** in which the **key** is a **string** and the value is a double can be ...

weblogs.asp.net/justin\_rogers/ archive/2004/05/18/134415.aspx - 41k - Cached - Similar pages



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Results for "((map container and key string)&lt;in&gt;metadata)"



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IEEE JNL IEEE Journal or Magazine

☐ Check to search only within this results set

IEEE JNL IEEE Journal or Magazine

Display Format: ☒ Citation ☐ Citation & Abstract

IEEE CNF IEEE Conference Proceeding

IEEE CNF IEEE Conference Proceeding

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IEEE STD IEEE Standard

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